

1. **Objective.** As prescribed in AFI 38-201, *Determining Manpower Requirements*, formerly designated as AFR 8-10, this Air National Guard Manpower Standard (ANGMS) quantifies the full-time manpower required to accomplish the tasks described in the work center description for varying levels of workload volume.

2. **Authority.** Air National Guard (ANG) Regulation 66-14, *Maintenance Management*, 13 July 1988, contains policy and procedural guidance for the Fuel Systems work center. This ANGMS was developed in accordance with the functional review procedures depicted in AFPAM 38-208V1, *Air Force Management Engineering Program (MEP) Processes*, formerly, AFR 25-5.

3. **Applicability.** This standard applies to all ANG KC-135 units with an established Fuel Systems function. This standard applies to peacetime operations only.

4. **Standard Data:**

- a. Classification. Type III.
- b. Approval Date. 25 November 1992.
- c. Man-Hour Data Source. Operational Audit (historical records and technical estimate techniques).
- d. Standard Man-Hour Equation.  $Y = 4.977 + 1.558X$ .
- e. Workload Factor:
  - (1) Title. A Programmed Flying Hour.
  - (2) Definition. The average monthly programmed flying hours.
  - (3) Source of Count. USAF Program Document, Volume II, maintained by NGB/FM.

5. **Application Instructions:**

- a. The valid man-hour range for this ANGMS is 298.41 through 497.35.
- b. The application instructions are as follows:
  - (1) Obtain the most current workload factor value for the workload factor as outlined in paragraph 4e above.
  - (2) Substitute this value in the man-hour equation for X and divide the resulting man-hours by the current civilian Man-Hour Availability Factor to determine requirements.
  - (3) Use the man-hour break point table developed by HQ USAF/PRQE to determine the whole manpower requirements.
  - (4) On AF Form 1113, Manpower Requirement column, find the column which represents the number of whole manpower requirements. Read up and down the column and across to the Air Force Specialty Title column to determine requirements by Air Force Specialty Code.

6. **Statement of Conditions:**

- a. There were no general conditions (environment, equipment, or facility) which had an impact on the development or application of this manpower standard.
- b. There were no approved enhancements that impacted the man-hour equation for this manpower standard.

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2 Attachments  
1. Work Center Description  
2. Standard Manpower Table

## WORK CENTER DESCRIPTION

### Fuel Systems (KC-135)

#### DIRECT:

#### 1. ON-EQUIPMENT MAINTENANCE:

**1.1. MAINTAINS AIRCRAFT FUEL SYSTEM AND COMPONENT.** Inspects, troubleshoots, and repairs fuel system on-equipment.

**1.1.1. MAINTAINS MISCELLANEOUS AIRFRAME COMPONENT.**

**1.1.2. MAINTAINS ENGINE FUEL SYSTEM COMPONENT.**

**1.1.3. MAINTAINS HYDRAULIC PNEUMATIC POWER SUPPLY.**

**1.1.4. MAINTAINS INTEGRAL TANK SYSTEM.**

**1.1.5. MAINTAINS BLADDER TANK SYSTEM.**

**1.1.6. MAINTAINS FUEL FEED SYSTEM.**

**1.1.7. MAINTAINS AIR REFUELING SYSTEM.**

**1.1.8. MAINTAINS FUEL QUANTITY SYSTEM.**

**1.2. PERFORMS INSPECTION.** Performs special, phase, and hourly aircraft inspection.

**1.2.1. PERFORMS PHASE/HOURLY INSPECTION.**

**1.2.2. PERFORMS SPECIAL INSPECTION.**

**2. OFF-EQUIPMENT MAINTENANCE.** Maintains aircraft fuel system and component. Inspects, troubleshoots, and repairs off-equipment.

**3. GROUND HANDLING, SERVICING, AND RELATED TASK.** Performs ground handling, servicing, and related tasking.

**4. PERIODIC MAINTENANCE OF FUEL EQUIPMENT IN BASE SUPPLY.** Performs periodic functional check or calibration of equipment stored in Base Supply to maintain shelf life and ensure serviceability before use.

**5. NONPOWERED AEROSPACE GROUND EQUIPMENT.** Maintains nonpowered aerospace ground equipment.

**6. HISTORICAL FORM.** Maintains historical form.

**7. SHOP SUPPORT GENERAL.** Performs shop support general tasking.

8. **MAINTENANCE INSPECTION.** Performs in-process inspection on maintenance. Inspects maintenance performed for clearing Red "X" condition and documents.
9. **TIME COMPLIANCE TECHNICAL ORDER (TCTO).** Performs maintenance required on/off the aircraft in accordance with applicable TCTO and completes documentation.
10. **ASSISTANCE.** Assists other production work center in the performance of direct labor maintenance.
11. **MAINTENANCE AUTOMATED SYSTEM.** Makes input to Maintenance Management Information Control System/Core Automated Maintenance System (MMICS/CAMS). Retrieves, analyzes, and reconciles data.
12. **SPECIAL PLANNING OR SCHEDULING.** Performs planning or scheduling associated with preparation for unit training assembly, annual tour, mobility participation, battle damage program, or other special program.
13. **CONTINGENCY/EXERCISE.** Supports contingency/exercise.
14. **DEBRIEFING.** Conducts aircrew debriefing. Completes appropriate document.

**INDIRECT:** Indirect work involves those tasks that are not readily identifiable with the work center's specific product or service. The major categories of standard indirect work are Supervision, Administration, Meetings, Training, Supply, Equipment Maintenance, and Cleanup. See AFMS 00AA for the standard indirect description.

STANDARD MANPOWER TABLE										
WORK CENTER/FAC				APPLICABILITY MAN-HOUR RANGE						
Fuel Systems, FAC 23320C				298.41 - 497.35						
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
Aircraft Fuel Systems	454X3	CIV	2	3	4					
TOTAL			2	3	4					
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
TOTAL										